

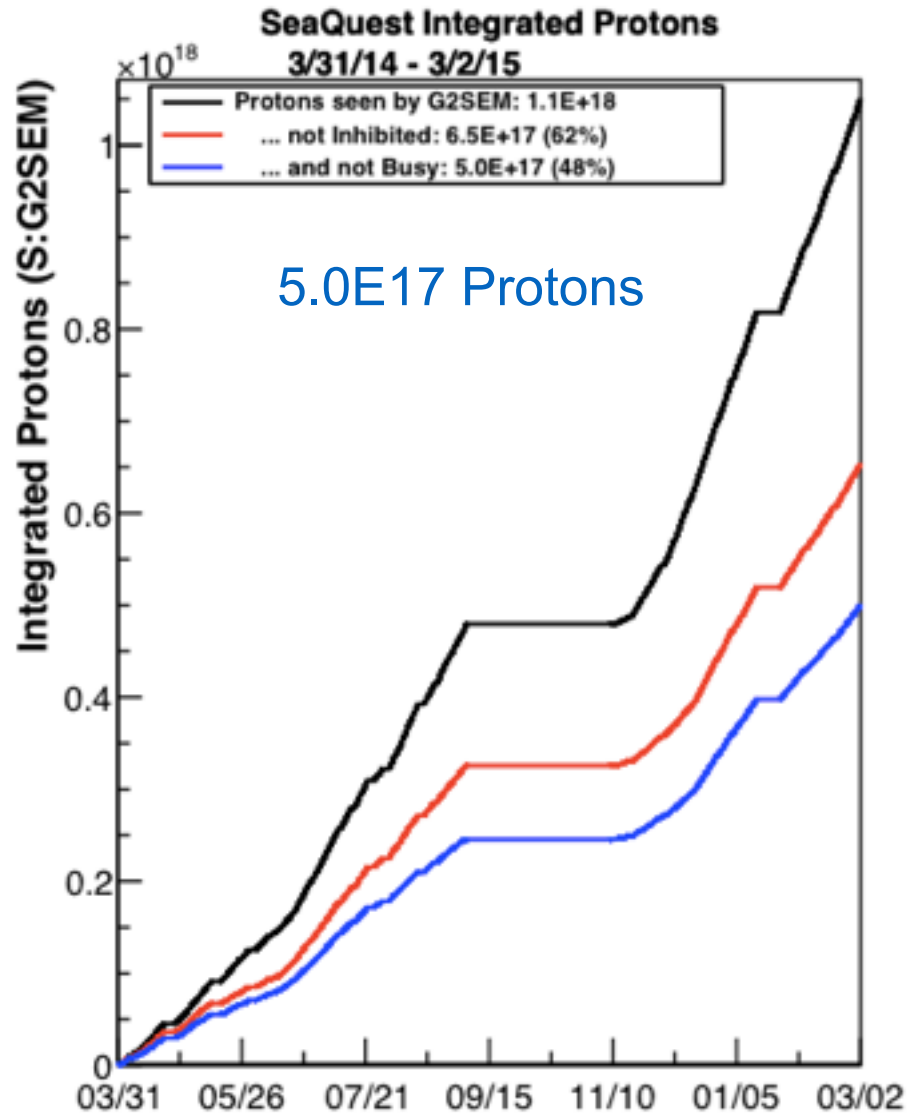
# SeaQuest Status

## Feb 23 - Mar 1, 2015

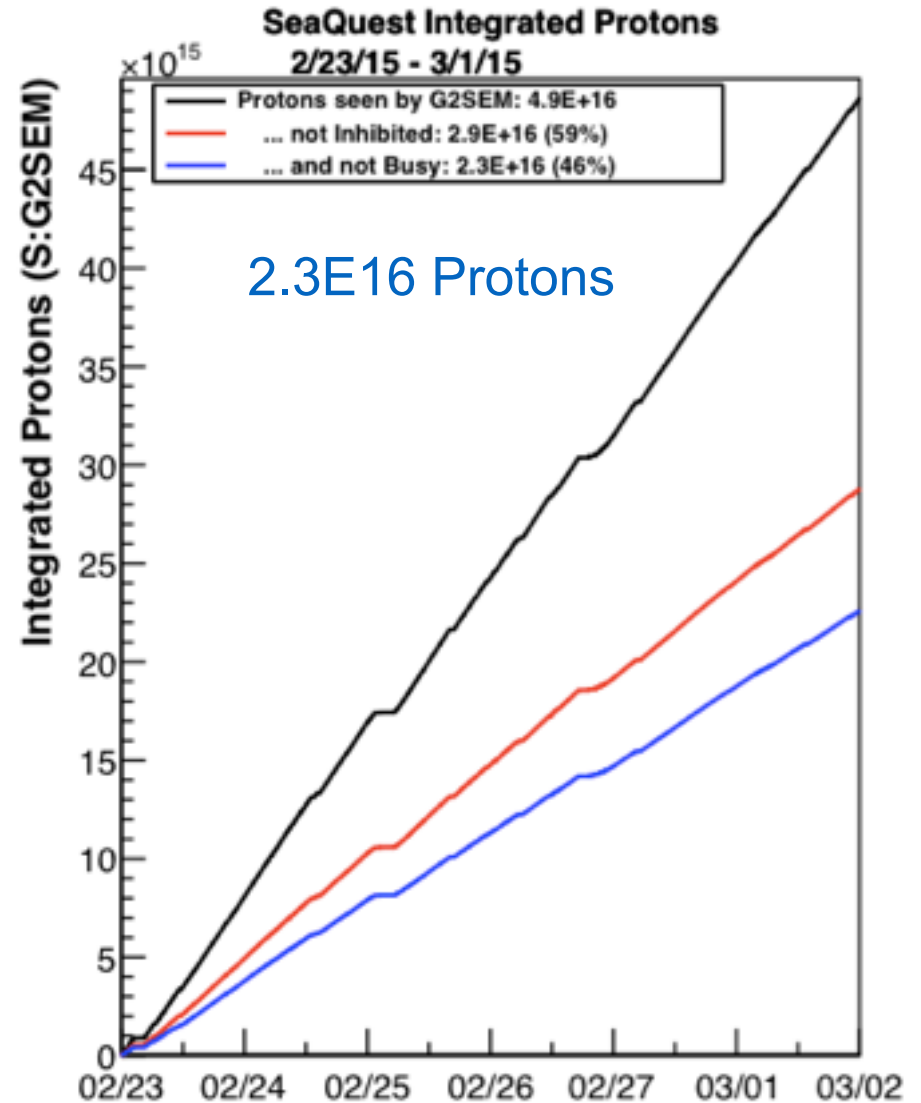
Brian Tice

Mar 2, 2015

## Full Production Runs II+III



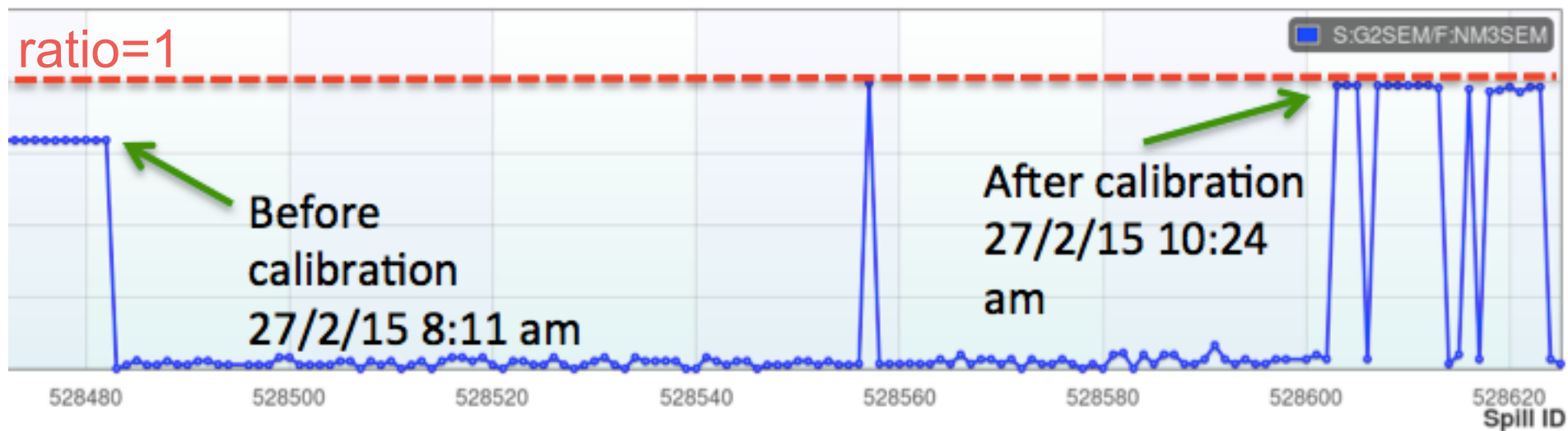
## Previous Week



# Foil Calibration of SEMs

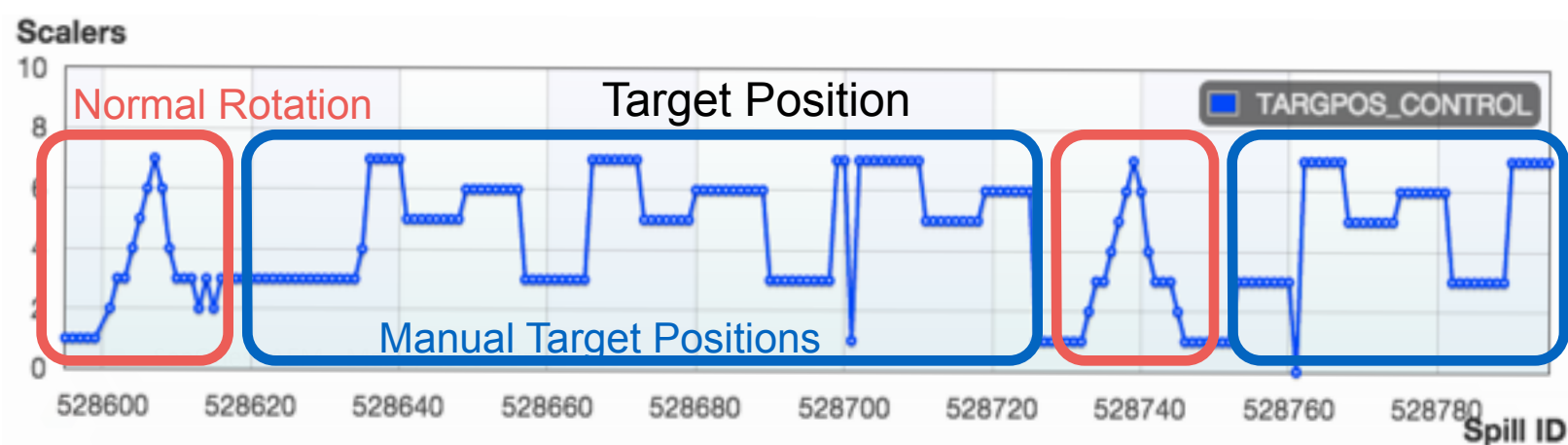
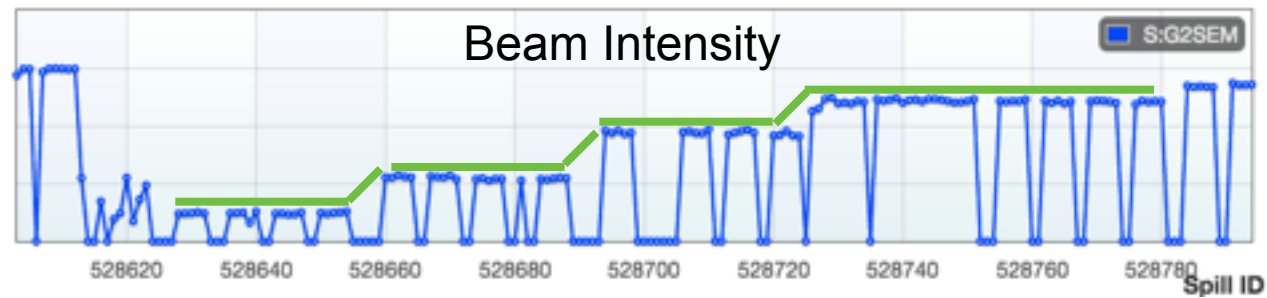
- ▶ Wednesday - foil calibration data recorded for G2SEM and NM3SEM
- ▶ Friday - Calibrations applied

Ratio of G2SEM / NM3SEM vs time



# Target-Intensity Scan of Radiation Monitors (Friday)

- ▶ Recall from previous reports that rad trips limit our beam intensity
- ▶ Mike G. orchestrated study of how rad monitors respond to our different targets
  - Keep beam intensity constant. Recorded data on each target, one at a time.
  - Increase beam intensity and repeat
- ▶ Data now being analyzed



# Other News

- ▶ Several ROC crashes
  - Soft reboot worked on most. 2 ROCs swapped with spares.
  - One network power switch for ROC failed and was replaced
    - Such a failure prevents us from power cycling but does not halt power delivery
- ▶ QIE inhibit threshold adjusted for degrading Cherenkov mirror
  - Mirror degrades with time/beam, this is normal
- ▶ New wire chamber passed gas leak test
  - Leak rate is “tiny”, “acceptable”
- ▶ All subsystems currently performing well
  - Beam monitoring, targets, magnets, detectors, DAQ all good